Index of Claims

| Application No. | Applicant(s)   |                                       |
|-----------------|----------------|---------------------------------------|
| 10/025,570      | MATSUURA ET AL |                                       |
| Examiner        | Art Unit       | · · · · · · · · · · · · · · · · · · · |
| Robert Madsen   | 1761           |                                       |

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|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| 1 | Interference |

| Α | Appeal   |
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| 0 | Objected |

| CI              | aim         | Date     |          |          |           |        | ]::::   | CI      | aim     |              |          |          | Date     |                                |          | 7:::               |  | Claim           | $\overline{}$                                |      |            | D:       | ate             |                |  | _               |          |  |             |   |   |   |   |   |   |
|-----------------|-------------|----------|----------|----------|-----------|--------|---------|---------|---------|--------------|----------|----------|----------|--------------------------------|----------|--------------------|--|-----------------|--|------|------------|----------|-----------------|----------------|--|-----------------|----------|--|-------------|---|---|---|---|---|---|
|                 |             | _        |          |          |           |        |         |         |         |              |          |          |          |                                |          | 1                  |  |                 |  | Т    |            | Ī        | 1               | П              | -  | Η,              |          | 十  | IT          | Т | Ť | 1 | 1 | T | г |
| Final           | Original    | 9/26/03  | 13/3/4   | ,        |           |        |         |         |         |              | Final    | Original |          |                                |          |                    |  |                 |  | Fina | Original   |          |                 |                |  |                 |          |  |             |   |   |   |   |   |   |
|                 | 1           | 1        |          |          |           |        | Н       | $\neg$  | $\top$  | 1            |          | 51       | $\vdash$ | +-                             | H        |                    | +-   | $\vdash$        | -  | -    | 101        | -        | ┝╌├╴            | +              | +  | +-              | +-       | $\vdash$                                       | <del></del> |   |   |   |   |   |   |
|                 | 2           | 1        |          |          |           |        |         |         | _       |              |          | 52       | -        | +                              | H        |                    | +  | -               | -  | 1    | 102        | $\vdash$ | $\vdash$        |                | +  | +               | ╁        | $\vdash$                                       | <u>—</u>    |   |   |   |   |   |   |
|                 | 3           | 1        |          |          |           |        |         |         |         | 1            |          | 53       |          | †                              | <b>—</b> |                    | +  |                 | -  |      | 103        |          | $\vdash \vdash$ | +              | +  | ╁               | ╁        | H  | _           |   |   |   |   |   |   |
|                 | 4           | √        |          |          |           |        |         |         |         |              |          | 54       |          | 1                              | Н        |                    |  |                 | ۱  | -    | 104        |          | -               | +              | +  | +               | ╁        | -  |             |   |   |   |   |   |   |
|                 | 5           | 4        |          |          |           |        |         |         |         |              |          | 55       |          |                                | П        |                    |  |                 | 7  |      | 105        | H        | 1               | +              | +  | +               | +        | Н  |             |   |   |   |   |   |   |
| L               | 6           | 4        |          |          |           |        |         |         |         |              |          | 56       |          |                                |          |                    |  | $\neg \uparrow$ |  |      | 106        | Н        | 1               | +              | +  | +               | +        | Н  | _           |   |   |   |   |   |   |
|                 | 7           | 1        | Ш        |          |           |        |         |         |         |              |          | 57       |          |                                |          |                    |  |                 |  |      | 107        |          | -               | +              | +  | +               | +        |  |             |   |   |   |   |   |   |
|                 | -8-         | Ш        | $\sqcup$ | _        |           |        |         |         |         |              |          | 58       |          |                                |          |                    |  |                 |  |      | 108        |          |                 | 7              | $\top$   | 十               | 1-       | $\Box$   | _           |   |   |   |   |   |   |
| <u> </u>        | 9           | L        | Ш        | _        | _         |        | $\Box$  |         | $\perp$ |              |          | 59       |          |                                |          |                    |  |                 |  |      | 109        |          |                 | 1              | $\top$   | ┪               | $\top$   |  |             |   |   |   |   |   |   |
| <u> </u>        | 10          |          |          | _        |           |        |         | $\perp$ |         |              |          | 60       |          |                                |          |                    |  | •               | 7  |      | 110        |          |                 | +              | ┪  | $\top$          | +-       |  |             |   |   |   |   |   |   |
|                 | 11          | L.       |          | 4        | _         |        | $\Box$  |         |         |              |          | 61       |          |                                |          | $oldsymbol{\perp}$ |  | $\neg$          | 7  |      | 111        |          |                 | T              |  | +               | +        | H  | _           |   |   |   |   |   |   |
| <u> </u>        | 12          | Ш        | $\sqcup$ |          | _         |        |         | $\perp$ |         |              |          | 62       |          | $oxedsymbol{oxedsymbol{oxed}}$ |          | $\Box T$           |  |                 |  |      | 112        | П        |                 | 7              |  | 1               | $\top$   |  | _           |   |   |   |   |   |   |
| <u> </u>        | 13          |          |          | $\dashv$ | _         | _      | $\perp$ | _       |         |              |          | 63       |          |                                |          |                    |  |                 |  |      | 113        |          | $\neg$          | _              | $\top$   | T               |          | П  |             |   |   |   |   |   |   |
|                 | 14          |          | _        | _        | _         |        | _       | $\perp$ |         |              |          | 64       | $\bot$   |                                |          |                    |  |                 | ]  |      | 114        | П        | $\neg$          | $\top$         | _  | 1               | $\top$   | П  | _           |   |   |   |   |   |   |
|                 | 15          |          | $\perp$  | _        | _         |        | _       |         |         |              |          | 65       | $\perp$  |                                |          |                    |  |                 | ]  |      | 115        |          | $\top$          | T              | T  | 1               | T        |  | T           |   |   |   |   |   |   |
|                 | 16          |          |          | _        | $\perp$   |        | $\perp$ | $\perp$ |         |              |          | 66       | $\perp$  | $oxed{\Box}$                   |          | $\Box$             | $\Box$   |                 | ]  | Π    | 116        | П        |                 |                | 7  | T               | 1        | $\Box$   |             |   |   |   |   |   |   |
| <b></b>         | 17          | _        | $\sqcup$ | 4        | _         | _      | _       | $\perp$ | 1       |              |          | 67       |          |                                |          | $oxed{\Gamma}$     |  |                 | ]  |      | 117        |          | _               | T              | $\top$   | $\top$          | $\top$   | П  | $\dashv$    |   |   |   |   |   |   |
| <b></b>         | 18          | $\dashv$ | _        | 4        | _         | _      | _       |         |         |              |          | 68       |          |                                |          |                    |  |                 |  |      | 118        | П        |                 | $\top$         | 1  | 1               | 1        |  | $\neg$      |   |   |   |   |   |   |
| $\vdash$        | 19          | _        | 4        | 1        | _         | 4      | 4       | Щ.      |         |              |          | 69       |          |                                | $\bot$   |                    |  | L               |  |      | 119        |          | $\top$          | ┰              | 1  | Т               | Τ        |  |             |   |   |   |   |   |   |
|                 | 20          | _        |          | +        | -         | 4      | _       | _       |         |              |          | 70       |          | Ш                              | $\perp$  |                    |  |                 |  |      | 120        |          |                 | Т              | Т  | Т               | T        |  | $\neg$      |   |   |   |   |   |   |
|                 | 21          | _        | -4       | 4        | 4         | 4      | _       |         |         |              |          | 71       | 丄        | Ш                              |          |                    |  |                 |  |      | 121        |          | $\neg$          | Т              | Т  | 1               | 1        |  | $\neg$      |   |   |   |   |   |   |
| $\vdash \dashv$ | 22          | $\dashv$ | $\dashv$ | _        | 4         | 4      | 4       |         | -       |              |          | 72       |          |                                |          | _L                 |  |                 | ]::::  |      | 122        |          |                 | Т              | 7  | T               | Т        |  | $\neg$      |   |   |   |   |   |   |
| $\vdash$        | 23          | -        | -        | -        | 4         | 4      | _       | _       | 1       |              |          | 73       |          |                                | $ \bot $ | $\perp$            |  |                 |  |      | 123        |          |                 | Т              | Т  | Т               | 1        |  |             |   |   |   |   |   |   |
| <b>├</b> ─-     | 24          |          | -        | +        | -         | _      | _       |         | 4       |              |          | 74       |          |                                | _        |                    |  |                 |  |      | 124        |          |                 |                |  | T               | 1        |  | $\neg$      |   |   |   |   |   |   |
|                 | 25          |          |          | +        | 4         | 4      | _       |         |         |              |          | 75       |          | Ш                              | _        |                    | $\perp \perp$                                    |                 |  |      | 125        |          |                 |                |  | $\top$          | T        | $\exists$                                      | $\neg$      |   |   |   |   |   |   |
| <b>  </b>       | 26          | $\dashv$ | 4        | 4        |           | 4      |         | $\perp$ | +       | -            |          | 76       |          | Ш                              | _        |                    | $\perp$  |                 |  |      | 126        |          |                 | Τ              | T  | Т               |          | T  |             |   |   |   |   |   |   |
|                 | 27          |          |          | +        | 4         | -      | 4       | _  _    | 1       |              |          | 77       |          | Ш                              | $\perp$  |                    | Ш  |                 |  |      | 127        |          |                 | Τ              | Т  | Т               |          |  | ٦           |   |   |   |   |   |   |
| ├──             | 28          | -        |          | 4        | -         |        |         | 4       | 1:1     | <b>.</b>     |          | 78       |          |                                | _        |                    |  |                 |  |      | 128        |          |                 | I              |  | Т               | Τ        |  | ٦           |   |   |   |   |   |   |
| $\vdash$        | 29          | -        | +        |          | 4         | -      | 4       | +       | $\perp$ |              |          | 79       |          |                                | $\perp$  | $\perp$            | $\perp \perp$                                    |                 | ]  |      | 129        | _]       |                 | Π              |  |                 | Π        |  | ٦           |   |   |   |   |   |   |
| ├─┤             | 30          |          | +        | -        | -         | +      | 4       | -       | 1-1     | <b>.</b>     |          | 80       | _        |                                | _        |                    | $\sqcup$   |                 | _  |      | 130        |          |                 |                |  |                 |          |  | ٦           |   |   |   |   |   |   |
|                 |             | -+       | +        |          | -         | +      | +       | -       | +       | L            | $\dashv$ | 81       | _        | <u> </u>                       | _        |                    | $\sqcup \bot$                                    |                 |  |      | 131        |          |                 |                |  |                 |          |  | $\neg$      |   |   |   |   |   |   |
| -+              | 32          | -        | -        | +        | -         |        | -       |         | 44      | -            |          | 82       |          | $\sqcup$                       | 4        | _                  | $\perp \perp$                                    |                 |  |      | 132        |          |                 | L              |  | L               |          |  | 7           |   |   |   |   |   |   |
|                 | 33          | $\dashv$ | +        | +        | -         | +      | +       | +       | 4-4     | -            |          | 83       |          | $\sqcup$                       | $\dashv$ |                    | _  | $\bot$          |  |      | 133        |          |                 | Ĺ              |  | 匚               |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{T}}}$ |             |   |   |   |   |   |   |
| $\vdash$        | 35          | +        | +        | +        | +         | +      | +       | +       | +       | ŀ            |          | 84       | +        |                                | _        |                    | $\vdash$   |                 | 4  |      | 134        |          |                 | L              | ┸  | L               | $\Box$   | $\prod$  | J           |   |   |   |   |   |   |
|                 | 36          | +        | +        | +        | +         | +      | +       | +       | +       | -            | +        | 85       | +        | $\vdash$                       | +        | +                  |  |                 | <u> </u>                                     |      | 135        | _        | $\perp$         | 1              |  |                 |          |  | _]          |   |   |   |   |   |   |
|                 | 37          | +        | +        | ┰        | +         | +      |         | +       | +-      | ::  -        |          | 86       | -        | $\vdash \downarrow$            | +        | -                  | -  | +               | 4  |      | 136        | _        | $\perp$         | $\perp$        | 1_   | $\vdash$        |          | $\perp$  | ⅃           |   |   |   |   |   |   |
|                 | 38          | +        | +        | +        | +         | +      | +       | +       | ╁┤      | ::. -        |          | 87       |          | $\vdash \downarrow$            | 4        | -                  |  |                 | 4  |      | 137        | $\perp$  | $\bot$          | 1              | ┺  | ot              | Ш        |  | $\Box$      |   |   |   |   |   |   |
|                 | 39          | +        | +        | +        | +         | +      | +       | +       | ╂╼┩     | <b> </b> -   |          | 88       | +-       | $\vdash$                       | +        | ┯.                 | <del>                                     </del> | -               | 4   1  |      | 138        | 4        |                 | ↓_             | _  | <u> </u>        | Ш        |  |             |   |   |   |   |   |   |
|                 | 40          | +        | +        | +        | ╁         | +      | +       | +       | +       | -            | -+       | 89       | -        | $\vdash \downarrow$            | +        | +                  | 1-1-   | -               |  |      | 139        | 4        | 4               |                | $\perp$  | _               | $\sqcup$ |  | ╝           |   |   |   |   |   |   |
|                 | 41          | $\dashv$ | +        | +        | +         | +      | +       | +       | +-1     | ŀ            |          | 90       |          | $\vdash$                       | -        | -                  | $\vdash \vdash$                                  | +               |  |      | 140        | $\perp$  | _               | L              | _  |                 | Ш        |  | $\Box$      |   |   |   |   |   |   |
| -+              | 42          | $\dashv$ | +        | +        | +         | +      | +       | +       | +       | -            |          | 91       | +        | -+                             | +        | -                  |  | -               | <b>.</b>                                     |      | 141        | $\bot$   | Д.              | ↓_             | 1_   | _               | Ш        |  |             |   |   |   |   |   |   |
|                 | 43          | +        | Ť        | +        | +         | ╁      | +       | +       | +-1     | ŀ            |          | 92       | +        | -+                             | +        | +                  |  |                 | {}   |      | 142        | +        | +               |                | 1  | -               | Ш        | _ _  | _           |   |   |   |   |   |   |
|                 | 44          | ┰        | 十        | - -      | +         | +      | +       | +       | 1       | <br> -       |          | 94       |          | +                              | -        | +                  | - -  |                 |  |      | 143        | +        | _               | <u> </u>       | $\vdash$   | _               | $\sqcup$ |  | 4           |   |   |   |   |   |   |
|                 | 45          | +        | +        | +        | $\dagger$ | +      | +       | +       | ╁       | <del> </del> |          | 95       |          | +                              | +        | +                  | ├├-  | +-              | 1  |      | 144        |          | -               |                | <del> </del>                                     |                 | $\sqcup$ | _  | 4           |   |   |   |   |   |   |
| $\neg$          | 46          | +        | 十        | +        | +         | +      | +       | +       | +-1     | -            |          | 96       | +        |                                | ╬        |                    | <del>                                     </del> | -               | <b>                                     </b> |      | 145        | _        |                 | ├              | <b>!</b> —                                       | $\vdash \dashv$ | $\Box$   | _  | 4           |   |   |   |   |   |   |
| $\neg \uparrow$ | 47          | +        | +        | +        | +         | +      | +       | +-      | +-      | ŀ            |          | 97       | +-       | +                              |          | +-                 |  | +-              |  |      | 146        |          | 4-              | <del> </del>   | <del>                                     </del> | Ш               | -        | +  | 4           |   |   |   |   |   |   |
|                 | 48          | $\top$   | 十        | $\top$   | +         | +      | +       | +       | +-4     | -            |          | 98       | +-1      | -+                             | +        | +-                 | $\vdash$   | +-              | (  |      | 147        |          |                 | $\vdash$       | <b>├</b> -                                       | Ш               | $\vdash$ | +  | 4           |   |   |   |   |   |   |
| -+              | 49          | $\top$   | 十        | +        | $\dagger$ | $\top$ | +       | _       | +       | ⊦            | -+       | 99       | +        | +                              | +        |                    | $\vdash\vdash$                                   | +-              |  | _    | 148        | +        | +-              | _              | -  | Н               |          | 4  | 4           |   |   |   |   |   |   |
|                 | 50          | 1        | $\top$   | $\top$   | T         | $\top$ | $\top$  | +       | H       | -            |          | 00       | +-+      | +                              | +        | +                  | $\vdash +$                                       | +-              |  |      | 149<br>150 | +        | ╫               | <del> </del> — | $\vdash$   | $\vdash$        | $\sqcup$ | 4  | 4           |   |   |   |   |   |   |
|                 | <del></del> |          | _ 1      |          | Ь.        |        |         |         | السنا   | L            |          | J V      |          | - 1                            | - 1      |                    |  | 1               | : : : :                                      |      | 1001       | ı        | 1               | 1              | ı i  | · I             | - 1      | - 1  | - 1         |   |   |   |   |   |   |